A Complete Editorial Index of

WORLD PETROLEUM

Volume 32 Published in 1961

25 West 45th Street, New York 36, N. Y.

Author's Index

	Issue	Page
BAPTISTA, CESAR O.		
Mexico's Refining and Petrochemical Industry	June	53
BIBLE, JOHN L.		
Old Gravity Should Never Die	Mar	48
BRUNO, JUAN JOSE		
YPF and Argentina's Oil (Editorial)	July	41
BUSTANI, EMILE		
A Blueprint for the Middle East	Apr	40
Soviet Oil Threatens the Middle East	Feb	41
CALVERT, JAMES W.		
Offshore Technique Improving	Sept	70
CORCUERA, CARLOS L.		
Misconceptions about Mexico	Sept	50
DIAZ, EMILIO L.		
Oil Today in Argentina	July	42
DOH, C. A. (with L. A. Puzin)		
Recent Advances in Logging Techniques, the Sonic Log	Mar	45
DUCOMMUN, J. C.		
Stop Disaster! Major Goal of Newest API Committee	Apr	48
ELTHAM, ERIC		
The Fuel Cell—Promise of Threat to the Oil Industry?	Nov	73
GAITHER, ROSCOE B.		
Mexico's Oil Laws	June	76
GESS, KAROL N.		
Oil—New Africa and Old Concessions	Feb	48
GIRELLI, ALBERTO		
Italian Refining Continues Climb	Refg.	46
GUTHRIE, V. B.		
New Uses, Wider Markets Open for Old, Established Products	Nov	66
The Outlook for USA Petroleum Demand—1961	Jan	43
GUTIERREZ, PASCUAL ROLDAN		
Oil Is Vital to Mexico	Sept	42
HEINEMANN, HEINZ (with P. A. Lefrancois)		
Annual Review of USA Patents on Petroleum Refining and Processing	Refg.	53
Review of Recent USA Patents on Catalysts	Mar	68
HENDERSON, G. R. (with John E. Miller)		
Contract Maintenance in Canada	May	72
HOWELLS, W. C.		
Canada's Oil and Gas Industry Now Faces Major Challenge (Editorial)	May	39
HUTTLINGER, JOSEPH B.		
U.S. Oil Import Controls—Good or Bad?	July	54
Washington Pipeline: all issues, page 4		
ISHII, MASAYA		
Oil Will Supply Two-Thirds of Japan's Energy by 1980	Refg.	48
JUTRAS, J. R.		
How a Computer Is Used to Plan Refinery Operations	Jan	54
LAMASSE, JACQUES C.		
France's Refining Capacity Will Increase 25% by 1963	Refg.	44
LANDAU, RALPH		
Recent Trends in Aromatic Chemicals from Petroleum	Apr	56
LEFRANCOIS, P. A. (with Heinz Heinemann)		
Annual Review of USA Patents on Petroleum Refining and Processing	Refg.	53
Review of Recent USA Patents on Catalysts	Mar	68
LONG, AUGUSTUS C.		
International Oil—Its Ills and Cures	Jan	37
MASCANZONI, BRUNO (with F. X. Peredo)		
Pipeline Systems of Pemex	June	48
MATTEI, ENRICO		
ENI Operates World-Wide	Feb	37
MAZO, RICARDO		
Paraguay Invites Oil Help	Dec	47
MENA, RAFAEL ORTIZ		
Coordinating Pemex	June	60
MILLER, JOHN E. (with G. R. Henderson)		
Contract Maintenance in Canada	May	72
NELSON, ALAN C. (with Preston P. Nibley)		
Economics of Oil Transportation—Middle East to Western Europe	Nov	56
NIBLEY, PRESTON P. (with Alan C. Nelson)		
Economics of Oil Transportation—Middle East to Western Europe	Nov	56
OSPINA-RACINES, E.		
Colombia Oil Looks Up	Dec	36
PARRA, FRANCISCO R.		
A Role for OPEC	Aug	28
PEREDO, F. XAVIER (with Bruno Mascanzoni)		
Pipeline Systems of Pemex	June	48
PUZIN, L. A. (with C. A. Doh)		
Recent Advances in Logging Techniques, the Sonic Log	Mar	45
RASSMUSS, JUAN		
Bolivia Spurs Activity in Western South America	Dec	40
RATHBONE, M. J.		
Needed—More Understanding (Editorial)	Nov	45
REED, GORDON W.		
Russia's Oil Drive	Sept	54
ROJAS, ANTONIO GARCIAS		
Mexico's Exploration Grows	June	42
ROWLAND, LESLIE ORR		
Natural Gas Dominant Factor in Canada's Petroleum Future	May	45
SCOTT, J. W.		
Austria's Petroleum Industry	Aug	40
SHERWOOD, PETER W.		
Air Oxidation of Cyclohexane	Nov	78
New Markets Revive Petrochemical Propylene Oxide and Glycol	June	66
New Technology Boosts Markets for Petrochemical Toluene	Oct	56
SIEVWRIGHT, ERIC C.		
Canada's 1960—the Year of Gas	May	41
SOBOTKA, RUDOLF		
Eastern European Process Plants Start Big Upswing	Refg.	50
New Austrian Refinery Now Onstream at Schwechat	Aug	38
STAHMER, ALFRED M.		
Refining Capacity Continues Growth in West Germany	Sept	64
UHL, WILLIAM C.		
Alberta's New Condensate Refinery Makes Visual Impact on Public	May	58
Boom in Canada's Processing Centers on Gas and Sulfur	May	48
Growing Impact of the Compacts on Motor Fuels in the USA	Jan	52
How to Revamp a Cracking Unit during a Turnaround	Refg.	60
Processing Review: Jan, p. 20; Feb, p. 28; March, p. 74; Apr, p. 32; May, p. 34; June, p. 28; July, p. 34; Aug, p. 54; Sept, p. 30; Oct, p. 64; Nov, p. 36; Dec, p. 28		
World Refining Will Increase 31% by 1965, to 32.3 million barrels daily	Refg.	40
VAN MIDDLESWORTH, NEAL		
Venezuela's Oil Decline	Mar	39
WALDIE, ALAN D.		
Weight Dropping in North Africa	Apr	47
WOOD, CECIL W.		
London Letter: Jan, p. 8; Feb, p. 10; March, p. 10; April, p. 10; May, p. 8; June, p. 8; July, p. 8; Aug, p. 10; Sept, p. 8; Oct, p. 10; Nov, p. 10; Dec, p. 8		
Milford Haven, Newest Refinery in the UK, Now Onstream	Feb	50
The UK Oil Industry—1960	Jan	45
UK Process Projects Emphasize Petrochemicals	Refg.	42
WOODS, J. P.		
Reserves and Exploration (Editorial)	Mar	35
YOUNES, MAHMOUD		
The Future of Suez	Apr	38

Subject Index

(NOTE: Covers major articles only, and does not include articles in the WORLD PETROLEUM REPORT—1961, which will be found only under the Geographical Index.)

	Issue	Page
ASSOCIATIONS		
Sixth World Petroleum Congress	Dec	39
Stop Disaster!—Major Goal of Newest API Committee, by J. C. Ducommun	Apr	48
The API Meets in Chicago	Nov	51
AUTOMATION		
How a Computer Is Used to Plan Refinery Operations, by J. R. Jutras	Jan	54
AUTOMOTIVE		
Growing Impact of the Compacts on Motor Fuels in the USA, by William C. Uhl	Jan	52
Exploration		
AFRICA		
ENI Operates World-Wide, by Enrico Mattei	Feb	37
Libyan Turnbacks Watched	Feb	42
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Oil Search in the Spanish Sahara	Nov	52
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
Weight Dropping in North Africa, by Alan D. Waldie	Apr	47
CONCESSION AGREEMENTS		
How Much Is Too Much? (Editorial)	Jan	35
Libyan Turnbacks Watched	Feb	42
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Pan American Operations Reach Peak (in Argentina)	July	47
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
DRILLING		
Bolivia Spurs Activity in Western South America, by Dr. Juan Rassmuss	Dec	40
Canada's Exploration—1960	May	52
Colombia's Oil Looks Up, by E. Ospina-Racines	Dec	36
Drilling Progress by Southeastern (in Argentina)	July	56
High Hopes in Tierra del Fuego (in Argentina)	July	44
How Air and Gas Drilling Cut Costs at Two Foothills Wells (in Canada)	May	68
International Rig Report Hits Peak	Aug	33
Link Reports on Brazil	Mar	36
Mapele Discovery Aids Brazil's Exploration	Dec	45
Offshore Technique Improving, by James W. Calvert	Sept	70
Oil Is Vital to Mexico, by Pascual Gutierrez Roldan	Sept	42
Pan American Operations Reach Peak (in Argentina)	July	47
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Recent Advances in Logging Techniques, the Sonic Log, by C. A. Doh and L. A. Puzin	Mar	45
Shell's Exploration Pushed (in Argentina)	July	52
EUROPE		
Austria's Petroleum Industry, by J. W. Scott	Aug	40

(Continued on page 90)

A Complete Editorial Index of

WORLD PETROLEUM

Volume 32 Published in 1961

25 West 45th Street, New York 36, N. Y.

Author's Index

	Issue	Page
BAPTISTA, CESAR O.		
Mexico's Refining and Petrochemical Industry	June	53
BIBLE, JOHN L.		
Old Gravity Should Never Die	Mar	48
BRUNO, JUAN JOSE		
YPF and Argentina's Oil (Editorial)	July	41
BUSTANI, EMILE		
A Blueprint for the Middle East	Apr	40
Soviet Oil Threatens the Middle East	Feb	41
CALVERT, JAMES W.		
Offshore Technique Improving	Sept	70
CORCUERA, CARLOS L.		
Misconceptions about Mexico	Sept	50
DIAZ, EMILIO L.		
Oil Today in Argentina	July	42
DOH, C. A. (with L. A. Puzin)		
Recent Advances in Logging Techniques, the Sonic Log	Mar	45
DUCOMMUN, J. C.		
Stop Disaster! Major Goal of Newest API Committee	Apr	48
ELTHAM, ERIC		
The Fuel Cell—Promise of Threat to the Oil Industry?	Nov	73
GAITHER, ROSCOE B.		
Mexico's Oil Laws	June	76
GESS, KAROL N.		
Oil—New Africa and Old Concessions	Feb	48
GIRELLI, ALBERTO		
Italian Refining Continues Climb	Refg.	46
GUTHRIE, V. B.		
New Uses, Wider Markets Open for Old, Established Products	Nov	66
The Outlook for USA Petroleum Demand—1961	Jan	43
GUTIERREZ, PASCUAL ROLDAN		
Oil Is Vital to Mexico	Sept	42
HEINEMANN, HEINZ (with P. A. Lefrancois)		
Annual Review of USA Patents on Petroleum Refining and Processing	Refg.	53
Review of Recent USA Patents on Catalysts	Mar	68
HENDERSON, G. R. (with John E. Miller)		
Contract Maintenance in Canada	May	72
HOWELLS, W. C.		
Canada's Oil and Gas Industry Now Faces Major Challenge (Editorial)	May	39
HUTTLINGER, JOSEPH B.		
U.S. Oil Import Controls—Good or Bad?	July	54
Washington Pipeline: all issues, page 4		
ISHII, MASAYA		
Oil Will Supply Two-Thirds of Japan's Energy by 1980	Refg.	48
JUTRAS, J. R.		
How a Computer Is Used to Plan Refinery Operations	Jan	54
LAMASSE, JACQUES C.		
France's Refining Capacity Will Increase 25% by 1963	Refg.	44
LANDAU, RALPH		
Recent Trends in Aromatic Chemicals from Petroleum	Apr	56
LEFRANCOIS, P. A. (with Heinz Heinemann)		
Annual Review of USA Patents on Petroleum Refining and Processing	Refg.	53
Review of Recent USA Patents on Catalysts	Mar	68
LONG, AUGUSTUS C.		
International Oil—Its Ills and Cures	Jan	37
MASCANZONI, BRUNO (with F. X. Peredo)		
Pipeline Systems of Pemex	June	48
MATTEI, ENRICO		
ENI Operates World-Wide	Feb	37
MAZO, RICARDO		
Paraguay Invites Oil Help	Dec	47
MENA, RAFAEL ORTIZ		
Coordinating Pemex	June	60
MILLER, JOHN E. (with G. R. Henderson)		
Contract Maintenance in Canada	May	72
NELSON, ALAN C. (with Preston P. Nibley)		
Economics of Oil Transportation—Middle East to Western Europe	Nov	56
NIBLEY, PRESTON P. (with Alan C. Nelson)		
Economics of Oil Transportation—Middle East to Western Europe	Nov	56
OSPINA-RACINES, E.		
Colombia Oil Looks Up	Dec	36
PARRA, FRANCISCO R.		
A Role for OPEC	Aug	28
PEREDO, F. XAVIER (with Bruno Mascanzoni)		
Pipeline Systems of Pemex	June	48
PUZIN, L. A. (with C. A. Doh)		
Recent Advances in Logging Techniques, the Sonic Log	Mar	45
RASSMUSS, JUAN		
Bolivia Spurs Activity in Western South America	Dec	40
RATHBONE, M. J.		
Needed—More Understanding (Editorial)	Nov	45
REED, GORDON W.		
Russia's Oil Drive	Sept	54
ROJAS, ANTONIO GARCIAS		
Mexico's Exploration Grows	June	42
ROWLAND, LESLIE ORR		
Natural Gas Dominant Factor in Canada's Petroleum Future	May	45
SCOTT, J. W.		
Austria's Petroleum Industry	Aug	40
SHERWOOD, PETER W.		
Air Oxidation of Cyclohexane	Nov	78
New Markets Revive Petrochemical Propylene Oxide and Glycol	June	66
New Technology Boosts Markets for Petrochemical Toluene	Oct	56
SIEVWRIGHT, ERIC C.		
Canada's 1960—the Year of Gas	May	41
SOBOTKA, RUDOLF		
Eastern European Process Plants Start Big Upswing	Refg.	50
New Austrian Refinery Now Onstream at Schwechat	Aug	38
STAHMER, ALFRED M.		
Refining Capacity Continues Growth in West Germany	Sept	64
UHL, WILLIAM C.		
Alberta's New Condensate Refinery Makes Visual Impact on Public	May	58
Boom in Canada's Processing Centers on Gas and Sulfur	May	48
Growing Impact of the Compacts on Motor Fuels in the USA	Jan	52
How to Revamp a Cracking Unit during a Turnaround	Refg.	60
Processing Review: Jan, p. 20; Feb, p. 28; March, p. 74; Apr, p. 32; May, p. 34; June, p. 28; July, p. 34; Aug, p. 54; Sept, p. 30; Oct, p. 64; Nov, p. 36; Dec, p. 28		
World Refining Will Increase 31% by 1965, to 32.3 million barrels daily	Refg.	40
VAN MIDDLESWORTH, NEAL		
Venezuela's Oil Decline	Mar	39
WALDIE, ALAN D.		
Weight Dropping in North Africa	Apr	47
WOOD, CECIL W.		
London Letter: Jan, p. 8; Feb, p. 10; March, p. 10; April, p. 10; May, p. 8; June, p. 8; July, p. 8; Aug, p. 10; Sept, p. 8; Oct, p. 10; Nov, p. 10; Dec, p. 8		
Milford Haven, Newest Refinery in the UK, Now Onstream	Feb	50
The UK Oil Industry—1960	Jan	45
UK Process Projects Emphasize Petrochemicals	Refg.	42
WOODS, J. P.		
Reserves and Exploration (Editorial)	Mar	35
YOUNES, MAHMOUD		
The Future of Suez	Apr	38

Subject Index

(NOTE: Covers major articles only, and does not include articles in the WORLD PETROLEUM REPORT—1961, which will be found only under the Geographical Index.)

	Issue	Page
ASSOCIATIONS		
Sixth World Petroleum Congress	Dec	39
Stop Disaster!—Major Goal of Newest API Committee, by J. C. Ducommun	Apr	48
The API Meets in Chicago	Nov	51
AUTOMATION		
How a Computer Is Used to Plan Refinery Operations, by J. R. Jutras	Jan	54
AUTOMOTIVE		
Growing Impact of the Compacts on Motor Fuels in the USA, by William C. Uhl	Jan	52
Exploration		
AFRICA		
ENI Operates World-Wide, by Enrico Mattei	Feb	37
Libyan Turnbacks Watched	Feb	42
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Oil Search in the Spanish Sahara	Nov	52
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
Weight Dropping in North Africa, by Alan D. Waldie	Apr	47
CONCESSION AGREEMENTS		
How Much Is Too Much? (Editorial)	Jan	35
Libyan Turnbacks Watched	Feb	42
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Pan American Operations Reach Peak (in Argentina)	July	47
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
DRILLING		
Bolivia Spurs Activity in Western South America, by Dr. Juan Rassmuss	Dec	40
Canada's Exploration—1960	May	52
Colombia's Oil Looks Up, by E. Ospina-Racines	Dec	36
Drilling Progress by Southeastern (in Argentina)	July	56
High Hopes in Tierra del Fuego (in Argentina)	July	44
How Air and Gas Drilling Cut Costs at Two Foothills Wells (in Canada)	May	68
International Rig Report Hits Peak	Aug	33
Link Reports on Brazil	Mar	36
Mapele Discovery Aids Brazil's Exploration	Dec	45
Offshore Technique Improving, by James W. Calvert	Sept	70
Oil Is Vital to Mexico, by Pascual Gutierrez Roldan	Sept	42
Pan American Operations Reach Peak (in Argentina)	July	47
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Recent Advances in Logging Techniques, the Sonic Log, by C. A. Doh and L. A. Puzin	Mar	45
Shell's Exploration Pushed (in Argentina)	July	52
EUROPE		
Austria's Petroleum Industry, by J. W. Scott	Aug	40

(Continued on page 90)

(*Continued from page 88*)

	Issue	Page
ENI Operates World-Wide, by Enrico Mattei	Feb	37
French Seismograph Developments	Mar	60
GEOLOGY		
Arctic Piercement Structures	May	67
Link Reports on Brazil	Mar	36
GEOPHYSICS		
Canada's Exploration—1960	May	52
Free World Geophysical Activity—1960	Aug	32
French Seismograph Developments	Mar	60
New Tools for the Geophysicist	Mar	49
Old Gravity Should Never Die, by John L. Bible	Mar	48
Weight Dropping in North Africa, by Alan D. Waldie	Apr	47
LATIN AMERICA		
Bolivia Spurs Activity in Western South America, by Dr. Juan Rassmuss	Dec	40
Colombia Oil Looks Up, by E. Ospina-Racines	Dec	36
Disaster in Brazil (Editorial)	Feb	35
Drilling Progress by Sountheastern (in Argentina)	July	56
High Hopes in Tierra del Fuego (in Argentina)	July	44
Link Reports on Brazil	Mar	36
Mapele Discovery Aids Brazil's Exploration	Dec	45
Oil Today in Argentina, by Emilio L. Diaz	July	42
Pan American Operations Reach Peak (in Argentina)	July	47
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Shell's Exploration Pushed (in Argentina)	July	52
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
MAPS (see also under Marketing)		
Canada's Exploration—1960	May	52
High Hopes in Tierra del Fuego (in Argentina)	July	44
Libyan Turnbacks Watched	Feb	42
Link Reports on Brazil	Mar	36
Mexico's Exploration Grows, by Antonio Garcias Rojas	June	42
Pan American Operations Reach Peak (in Argentina)	June	47
MIDDLE EAST		
ENI Operates World-Wide, by Enrico Mattei	Feb	37
NORTH AMERICA		
Arctic's Piercement Structures	May	67
Canada's Exploration—1960	May	52
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
How Air and Gas Drilling Cut Costs at Two Foothills Wells	May	68
Mexico's Exploration Grows, by Antonio Garcias Rojas	June	42
WORLD		
Free World Geophysical Activity—1960	Aug	32
International Rig Report Hits Peak	Aug	33
Reserves and Exploration, by J. P. Woods (Editorial)	Mar	35
World Exploration Review	Mar	42

Marketing

	Issue	Page
AFRICA		
Libyan Turnbacks Watched	Feb	12
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
CONSUMPTION & DEMAND		
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Coordinating Pemex, by Rafael Ortiz Mena	June	60
Europe's Energy Supply—as seen by the OEEC	Aug	50
Growing Impact of the Compacts on Motor Fuels in the USA, by William C. Uhl	Jan	52
New Uses, Wider Markets Open for Old, Established Products, by V. B. Guthrie	Nov	66
1960 Demand 21,590,000 b/d	Jan	41
The Outlook for USA Petroleum Demand—1961, by V. B. Guthrie	Jan	43
The Pricing of Crude Oil	Nov	46
The UK Oil Industry—1960, by Cecil Wood	Jan	45
USA Product Demand Will Rise 3.2%	Nov	70
World Oil Demand in 1961 Will Rise to over 23 Million Barrels Daily	Sept	46
EUROPE		
Austria's Petroleum Industry, by J. W. Scott	Aug	40
ENI Operates World-Wide, by Enrico Mattei	Feb	37
Europe's Energy Supply—as seen by the OEEC	Aug	50
Gas Light's Europe's Hopes	Feb	66
The UK Oil Industry—1960, by Cecil W. Wood	Jan	45
EXPORTS AND IMPORTS		
Economics of Oil Transportation—Middle East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
Future of Russian Oil	Sept	59
Russian Oil Exports—What to Do? (Editorial)	Aug	27
Russia's Oil Drive, by Gordon W. Reed	Sept	54
The UK Oil Industry—1960, by Cecil W. Wood	Jan	45
U.S. Oil Import Controls—Good or Bad? by Joseph B. Huttlinger	July	54
FAR EAST		
Oil's Important Place in Australia's Economy	Aug	45
LATIN AMERICA		
A Role for OPEC, by Francisco R. Parra	Aug	28
Bolivia Spurs Activity in Western South America, by Dr. Juan Rassmuss	Dec	40
Colombia's Oil Looks Up, by E. Ospina-Racines	Dec	36
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
YPF and Argentina's Oil, by Juan Jose Bruno (Editorial)	July	41
LEGISLATION		
A Blueprint for the Middle East, by Emile Bustani	Apr	40
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Coordinating Pemex, by Rafael Ortiz Mena	June	60
Libyan Turnbacks Watched	Feb	42
Mexico's Oil Laws, by Roscoe B. Gaither	June	76
Oil Is International (Editorial)	Apr	37
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
Problems in Libya	Apr	44
Rebels and Oil in Algeria	Apr	42
The Power to Tax (Editorial)	Sept	41
U.S. Oil Import Controls—Good or Bad? by Joseph B. Huttlinger	July	54
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
MAPS (see also under Exploration)		
Economics of Oil Transportation—Middle East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
MIDDLE EAST		
A Blueprint for the Middle East, by Emile Bustani	Apr	40
A Role for OPEC, by Francisco R. Parra	Aug	28
Soviet Oil Threatens the Middle East, by Emile Bustani	Feb	41
NORTH AMERICA		
Alberta's New Condensate Refinery Makes Visual Impact on Public, by W. C. Uhl	May	58
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Canada's Oil and Gas Industry Now Faces Major Challenge, by W. C. Howells (Edit.)	May	39
Coordinating Pemex, by Rafael Ortiz Mena	June	60
Growing Impact of the Compacts on Motor Fuels in the USA, by William C. Uhl	Jan	52
Mexico's Oil Laws, by Roscoe B. Gaither	June	76
Natural Gas Dominant Factor in Canada's Petroleum Future, by Leslie O. Rowland	May	45
Pemex in Perspective (Editorial)	June	41
The Outlook for USA Petroleum Demand—1961, by V. B. Guthrie	Jan	43
U.S. Oil Import Controls—Good or Bad? by Joseph B. Huttlinger	July	54
PRICES		
A Role for OPEC, by Francisco R. Parra	Aug	28
Russia's Oil Drive, by Gordon W. Reed	Sept	54
The Pricing of Crude Oil	Nov	46
PRORATIONING		
A Role for OPEC, by Francisco R. Parra	Aug	28
International Oil—its Ills and Cures, by Augustus C. Long	Jan	37
SOVIET BLOC		
Future of Russian Oil	Sept	59
Russian Oil Exports—What to do? (Editorial)	Aug	27
Russia's Oil Drive, by Gordon W. Reed	Sept	54
Soviet Oil Threatens the Middle East, by Emile Bustani	Feb	41
WORLD		
ENI Operates World-Wide, by Enrico Mattei	Feb	37
1960 Demand 21,590,000 b/d	Jan	41
Oil Is International (Editorial)	Apr	37

Natural Gas

	Issue	Page
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Gas Lights Europe's Hopes	Feb	66
"Mudpie" Provides New Method for Storing Liquefied Gases	Dec	48
Natural Gas Dominant Factor in Canada's Petroleum Future, by Leslie O. Rowland	May	45

Petrochemicals

	Issue	Page
EUROPE		
Carrington—a Major New UK Petrochemical Center	Feb	60
Eastern European Process Plants Start Big Upswing, by Rudolf Sobotka	Refg.	50
France's Refining Capacity Will Increase 25% by 1963, by Jacques C. Lamasse	Refg.	44
Italian Refining Continues Climb, by Alberto Girelli	Refg.	46
The UK Oil Industry—1960, by Cecil W. Wood	Jan	45
UK Process Projects Emphasize Petrochemicals, by Cecil W. Wood	Refg.	42
Wilton Polypropylene Plant Now Operating for ICI	Mar	64
FAR EAST		
Oil's Important Place in Australia's Economy	Aug	45
Oil Will Supply Two-Thirds of Japan's Energy by 1960, by Masaya Ishii	Refg.	48
NORTH AMERICA		
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
Mexico's Refining and Petrochemical Industry, by Cesar O. Baptista	June	53
PLANTS DESCRIBED		
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
Carrington—a Major New UK Petrochemical Center	Feb	60
Wilton Polypropylene Plant Now Operating for ICI	Mar	64
World's First Hydeal Unit Was Fast Construction Project	Dec	53
PROCESSES		
Air Oxidation of Cyclohexane, by Peter W. Sherwood	Nov	78
New Markets Revive Petrochemical Propylene Oxide and Glycol, by Peter W. Sherwood	June	66
Recent Trends in Aromatic Chemicals, by Ralph Landau	Apr	56
PRODUCTS		
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
New Markets Revive Petrochemical Propylene Oxide and Glycol, by Peter W. Sherwood	June	66
New Technology Boosts Markets for Petrochemical Toluene, by Peter W. Sherwood	Oct	56
Recent Trends in Aromatic Chemicals from Petroleum, by Ralph Landau	Apr	56
WORLD		
Huge Petrochemical Barge Is Ready for Service	Aug	62
The World's Petrochemical Plants	Refg	94
World Refining Will Increase 31% by 1965, to 32.3 Million Barrels Daily, by William C. Uhl	Refg	40

Processing

	Issue	Page
CATALYSTS		
How Catalysts Test Service Aids Fluid Unit Operations	Feb	45
Review of Recent USA Patents on Catalysts, by Heinz Heinemann and P. A. Lefrancois	Mar	68
EQUIPMENT		
Contract Maintenance in Canada, by G. R. Henderson and John E. Miller	May	72
How a Computer Is Used to Plan Refinery Operations, by J. R. Jutras	Jan	54
How a Prefab Refinery Solved a Construction Problem in Guatemala	Mar	40
How to Revamp a Cracking Unit during a Turnaround, by William C. Uhl	Refg	60
EUROPE		
Austria's Petroleum Industry, by J. W. Scott	Aug	40
BP's New Ruhr Refinery Now Onstream at Dinslaken, West Germany	Jan	48
Eastern European Process Plants Start Big Upswing, by Rudolf Sobotka	Refg	50
France's Refining Capacity Will Increase 25% by 1963, by Jacques C. Lamasse	Refg	44
Italian Refining Continues Climb, by Alberto Girelli	Refg	46

(*Continued on page 92*)

(*Continued from page 90*)

	Issue	Page
Milford Haven, Newest Refinery in the UK, Now Onstream, by Cecil W. Wood	Feb	50
New Austrian Refinery Now Onstream at Schwechat, by Rudolf Sobotka	Aug	38
100 Years of Refining in Salzbergen, Germany	Feb	56
Refining Capacity Continues Growth in West Germany, by Alfred M. Stahmer	Sept	64
The UK Oil Industry—1960, by Cecil W. Wood	Jan	45
UK Process Projects Emphasize Petrochemicals, by Cecil W. Wood	Refg	42
FAR EAST		
Oil's Important Place in Australia's Economy	Aug	45
Oil Will Supply Two-Thirds of Japan's Energy by 1980, by Masaya Ishii	Refg	48
LATIN AMERICA		
Esso's Golden Anniversary (in Argentina)	July	50
How a Prefab Refinery Solved a Construction Problem in Guatemala	Mar	40
NORTH AMERICA		
Alberta's New Condensate Refinery Makes Visual Impact on Public, by W. C. Uhl	May	58
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
Contract Maintenance in Canada, by G. R. Henderson and John E. Miller	May	72
How to Revamp a Cracking Unit during a Turnaround, by William C. Uhl	Refg	60
Mexico's Refining and Petrochemical Industry, by Cesar O. Baptista	June	53
Misconceptions about Mexico, by Carlos L. Corcuera	Sept	50
Stop Disaster!—Major Goal of Newest API Committee, by J. C. Ducommun	Apr	48
PATENTS		
Annual Review of USA Patents on Petroleum Refining and Processing, by Heinz Heinemann and P. A. Lefrancois	Refg	53
Review of Recent USA Patents on Catalysts, by Heinz Heinemann and P. A. Lefrancois	Mar	68
PLANTS DESCRIBED		
Alberta's New Condensate Refinery Makes Visual Impact on Public, by W. C. Uhl	May	58
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
How a Prefab Refinery Solved a Construction Problem in Guatemala	Mar	40
Milford Haven, Newest Refinery in the UK, Now Onstream, by Cecil W. Wood	Feb	50
New Austrian Refinery Now Onstream at Schwechat, by Rudolf Sobotka	Aug	38
New Mozambique Refinery Serves Southeastern Africa	Sept	80
100 Years of Refining in Salzbergen, Germany	Feb	56
WORLD		
A Word of Caution (Editorial)	Refg	39
The World's Processing Plants	Refg	67
World Refining Will Increase 31% by 1965, to 32.3 Million Barrels Daily, by William C. Uhl	Refg	40

Production

EUROPE		
Austria's Petroleum Industry, by J. W. Scott	Aug	40
LATIN AMERICA		
Bolivia Spurs Activity in Western South America, by Dr. Juan Rassmuss	Dec	40
Colombia's Oil Looks Up, by E. Ospina-Racines	Dec	36
Esso's Golden Anniversary (in Argentina)	July	50
Oil Today in Argentina, by Emilio L. Diaz	July	42
Pan American Operations Reach Peak (in Argentina)	July	47
Shell's Exploration Pushed (in Argentina)	July	52
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39
NORTH AMERICA		
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Injectivity Increases Result from Flood Water Carbonation	Apr	50
Mexico's Exploration Grows, by Antonio Garcias Rojas	June	42
Oil Is Vital to Mexico, by Pascual Gutierrez Roldan	Sept	42
RESERVES		
Reserves and Exploration, by J. P. Woods (Editorial)	Mar	35
TECHNOLOGY		
Injectivity Increases Result from Flood Water Carbonation	Apr	50
WORLD		
Reserves and Exploration, by J. P. Woods (Editorial)	Mar	35
World Crude Production Rising	Sept	49
World Crude Production Up 7.3% in 1960	Jan	40
RESEARCH & DEVELOPMENT		
Jersey Standard Conducts World-Wide Marine Research	Oct	46
Tanker Corrosion Prevention Progress	Oct	54
The Fuel Cell—Promise or Threat to the Oil Industry? by Eric Eltham.	Nov	73
SAFETY & TRAINING		
Australian Refinery Operators Will Use New Training Device	Dec	56
Stop Disaster!—Major Goal of Newest API Committee, by J. C. Ducommun	Apr	48
Unique Trainers to Aid Refiners	Apr	66

Transportation

PIPELINES		
Economics of Oil Transportation—Middle East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
Future of Russian Oil	Sept	59
Natural Gas Dominant Factor in Canada's Petroleum Future, by Leslie O. Rowland	May	45
Oil India Pipeline Starts	Apr	55
Pipeline Systems of Pemex, by Bruno Mascanzoni and F. Xavier Peredo	June	48
Winter No Longer Stops Pipe Line Construction (in Canada)	Oct	48
TANKERS & TERMINALS		
Better Harbor Facilities Needed—Now! (Editorial)	Oct	35
Economics of Oil Transportation—Middle East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
Huge Petrochemical Barge Is Ready for Service	Aug	62
Jersey Standard Conducts World-Wide Marine Research	Oct	46
Libya Enters the Oil Age	Dec	50
New Sea Terminal in Hawaii Can Handle Tankers of all Sizes	Oct	44
New UK Terminal at Angle Bay Designed for 100,000-Tonners	Oct	41
Tanker Corrosion Prevention Progress	Oct	54
The Case for the Bridge Aft Tanker	Oct	42
The Future of Suez, by Mahmoud Younes	Apr	38
World Tanker Fleet Growth Rate Continues to Decline	Oct	37

Geographical Index

Africa

	Issue	Page
Central & South Africa	WPR	205
North Africa	WPR	187
Oil—New Africa and Old Concessions, by Karol N. Gess	Feb	48
Weight Dropping in North Africa, by Alan D. Waldie	Apr	47
ALGERIA (OCRS)	WPR	192
Rebels and Oil in Algeria	Apr	42
ANGOLA	WPR	205
BASUTOLAND	WPR	216
BECHUANALAND	WPR	214
BRITISH TOGOLAND	WPR	214
CAMEROONS (FRENCH)	WPR	205
CONGO (Leopoldville)	WPR	205
DAHOMEY	WPR	216
EGYPT	WPR	200
ERITREA	WPR	206
ETHIOPIA	WPR	206
FRENCH SAHARA (OCRS)	WPR	192
FRENCH SOMALILAND	WPR	216
GABON	WPR	206
GAMBIA	WPR	212
GHANA	WPR	206
GUINEA	WPR	216
IVORY COAST	WPR	208
KENYA	WPR	208
LIBERIA	WPR	208
LIBYA	WPR	188
Libya Enters the Oil Age	Dec	50
Libyan Turnbacks Watched	Feb	42
Problems in Libya	Apr	44
MADAGASCAR (MALAGASY REPUBLIC)	WPR	208
MALI REPUBLIC	WPR	210
MAURITANIA	WPR	216
MOROCCO	WPR	202
MOZAMBIQUE	WPR	208
New Mozambique Refinery Serves Southeastern Africa	Sept	80
NIGER	WPR	210
NIGERIA	WPR	210
NYASALAND	WPR	216
PORTUGUESE GUINEA	WPR	210
RHODESIA (NORTHERN)	WPR	216
RHODESIA (SOUTHERN)	WPR	216
SAO TOME & PRINCIPE	WPR	214
SENEGAL	WPR	212
SIERRA LEONE	WPR	216
SOMALI (REPUBLIC OF)	WPR	212
SOUTH AFRICA (UNION OF)	WPR	214
SOUTHWEST AFRICA	WPR	214
SPANISH GUINEA	WPR	212
SPANISH SAHARA (Rio de Oro)	WPR	212
Oil Search in the Spanish Sahara	Nov	52
SUDAN	WPR	214
SWAZILAND	WPR	216
TANGANYIKA	WPR	214
TOGOLAND	WPR	216
TRUCIAL COAST	WPR	219
TUNISIA	WPR	202
UGANDA	WPR	216
UNITED ARAB REPUBLIC		
The Future of Suez, by Mahmoud Younes	Apr	38
UPPER VOLTA	WPR	216
ZANZIBAR	WPR	212

Asia & Far East

	Issue	Page
AUSTRALIA	WPR	279
Australian Refinery Operators Will Use New Training Device	Dec	56
Oil's Important Place in Australia's Economy	Aug	45
BRITISH BORNEO	WPR	280
BURMA	WPR	280
CEYLON	WPR	281
CHINA (Communist)	WPR	276
FAR EAST	WPR	279
INDIA	WPR	284
Oil India Pipeline Starts	Apr	55
INDONESIA	WPR	281
JAPAN	WPR	285
Oil Will Supply Two-Thirds of Japan's Energy by 1980, by Masaya Ishii	Refg.	48
KOREA (South)	WPR	281
LAOS	WPR	279
MALAYA	WPR	287
NEW CALEDONIA	WPR	279
NEW GUINEA	WPR	279
NEW ZEALAND	WPR	281
PAKISTAN	WPR	282
PAPUA	WPR	283
PHILIPPINES	WPR	286
SINGAPORE	WPR	279
TAIWAN	WPR	282
THAILAND (Siam)	WPR	283
TIMOR	WPR	284
VIETNAM	WPR	287

Europe

	Issue	Page
Eastern European Process Plants Start Big Upswing, by Rudolf Sobotka	Refg.	50
Economics of Oil Transportation—Mid East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
Europe	WPR	37
Europe's Energy Supply—as seen by the OEEC	Aug	50
Gas Lights Europe's Hopes	Feb	66
U.S.S.R. & other Communist Countries	WPR	275
ALBANIA	WPR	275
AUSTRIA	WPR	44
Austria's Petroleum Industry, by J. W. Scott	Aug	40
New Austrian Refinery Now Onstream at Schwechat, by Rudolf Sobotka	Aug	38
BELGIUM	WPR	51
BULGARIA	WPR	275
CYPRUS	WPR	46
CZECHOSLOVAKIA	WPR	276
DENMARK	WPR	46
EIRE (Ireland)	WPR	48
ENGLAND	WPR	174
FINLAND	WPR	67
FRANCE	WPR	53
France's Refining Capacity Will Increase 25% by 1963, by Jacques C. Lamasse	Refg.	44
French Seismograph Developments	Mar	60
GERMANY (EAST)	WPR	276
GERMANY (WEST)	WPR	69
BP's New Ruhr Refinery Now Onstream at Dinslaken	Jan	48

(Continued from page 92)

	Issue	Page
100 Years of Refining in Salzbergen	Feb	56
Refining Capacity Continues Growth in West Germany, by Alfred M. Stahmer	Sept	64
Sixth World Petroleum Congress Planned for Frankfurt in 1963	Dec	39
GREECE	WPR	135
HUNGARY	WPR	276
ITALY	WPR	154
ENI Operates World-Wide, by Enrico Mattei	Feb	37
Italian Refining Continues Climb, by Alberto Girelli	Refg.	46
MALTA	WPR	67
NETHERLANDS	WPR	138
NORWAY	WPR	67
POLAND	WPR	276
PORTUGAL	WPR	146
ROMANIA	WPR	277
RUSSIA (USSR)	WPR	275
SICILY	WPR	146
SPAIN	WPR	162
SWEDEN	WPR	170
SWITZERLAND	WPR	173
UNITED KINGDOM	WPR	174
Carrington—a Major New UK Petrochemical Center	Feb	60
Milford Haven, Newest Refinery in the UK, Now Onstream, by Cecil W. Wood	Feb	50
New UK Terminal at Angle Bay Designed for 100,000-Tonners	Oct	41
UK Process Projects Emphasize Petrochemicals, by Cecil W. Wood	Refg.	42
Wilton Polypropylene Plant Now Operating for ICI	Mar	64
The UK Oil Industry—1960, by Cecil W. Wood	Jan	45
USSR	WPR	275
Russia's Oil Drive, by Gordon W. Reed	Sept	54
Russian Oil Exports—What to Do? (Editorial)	Aug	27
The Future of Russian Oil	Sept	59
YUGOSLAVIA	WPR	277

Latin America

Central America	WPR	255
South America	WPR	233
ARGENTINA	WPR	234
Drilling Progress by Southeastern	July	56
Esso's Golden Anniversary	July	50
High Hopes in Tierra del Fuego	July	44
Oil Today in Argentina, by Emilio L. Diaz	July	42
Pan American Operations Reach Peak	July	47
Shell's Exploration Pushed	July	52
YPF and Argentina's Oil, by Juan Jose Bruno (Editorial)	July	41
BAHAMA ISLANDS	WPR	255
BARBADOS	WPR	255
BOLIVIA	WPR	239
Bolivia Spurs Activity in Western South America, by Juan Rassmuss	Dec	40
BRAZIL	WPR	242
Disaster in Brazil (Editorial)	Feb	35
Link Reports on Brazil	Mar	36
Mapele Discovery Aids Brazil's Exploration	Dec	45
BRITISH GUIANA	WPR	239
BRITISH HONDURAS	WPR	256
CHILE	WPR	233
COLOMBIA	WPR	243
Colombia's Oil Looks Up, by E. Ospina-Racines	Dec	36
COSTA RICA	WPR	256
CUBA	WPR	256
DOMINICAN REPUBLIC	WPR	258
ECUADOR	WPR	245
EL SALVADOR	WPR	258
GUATEMALA	WPR	261
How a Prefab Refinery Solved a Construction Problem in Guatemala	Mar	40
HAITI	WPR	255
HONDURAS	WPR	258
JAMAICA	WPR	259
MEXICO	WPR	260
Coordinating Pemex, by Rafael Ortiz Mena	June	60
Mexico's Exploration Grows, by Antonio Garcias Rojas	June	42
Oil Is Vital to Mexico, by Pascual Gutierrez Roldan	Sept	42
Mexico's Oil Laws, by Roscoe B. Gaither	June	76
Mexico's Refining and Petrochemicals Industry, by Cesar O. Baptista	June	53
Misconceptions about Mexico, by Carlos L. Corcuera	Sept	50
Pemex in Perspective (Editorial)	June	41
Pipeline Systems of Pemex, by Bruno Mascanzoni and F. Xavier Peredo.	June	48
NETHERLANDS WEST INDIES	WPR	255
NICARAGUA	WPR	259
PANAMA	WPR	262
PARAGUAY	WPR	238
Paraguay Invites Oil Help, by Ricardo Mazo	Dec	47
PERU	WPR	246
PUERTO RICO	WPR	263
SURINAM (Dutch Guiana)	WPR	245
TRINIDAD	WPR	263
URUGUAY	WPR	254
VENEZUELA	WPR	248
Venezuela's Oil Decline, by Neal Van Middlesworth	Mar	39

Middle East

Economics of Oil Transportation—Middle East to Western Europe, by Preston P. Nibley and Alan C. Nelson	Nov	56
Middle East	WPR	219
Soviet Oil Threatens the Middle East, by Emile Bustani	Feb	41
The Future of Suez, by Mahmoud Younes	Apr	38
ABU DHABI	WPR	219
ADEN	WPR	219
AFGHANISTAN	WPR	219
BAHRAIN	WPR	219
IRAN	WPR	221
IRAQ	WPR	226
ISRAEL	WPR	220
JORDAN	WPR	219
KUWAIT	WPR	227
LEBANON	WPR	230
MUSCAT and OMAN	WPR	219
NEUTRAL ZONE	WPR	230
QATAR	WPR	227
SAUDI ARABIA	WPR	230
SYRIA	WPR	231
TURKEY	WPR	222
YEMEN	WPR	231

North America

North America	WPR	267
ALASKA	WPR	267
CANADA	WPR	274
Alberta's New Condensate Refinery Makes Visual Impact on Public, by W. C. Uhl	May	58
Arctic Piercement Structures	May	67
Boom in Canada's Processing Centers on Gas and Sulfur, by William C. Uhl	May	48
Canada's Exploration—1960	May	52
Canada's Oil and Gas Industry Now Faces Major Challenge, by W. C. Howells (Editorial)	May	39
Canada's 1960—the Year of Gas, by Eric C. Sievwright	May	41
Contract Maintenance in Canada, by G. R. Henderson and John E. Miller	May	72
How a Computer Is Used to Plan Refinery Operations, by J. R. Jutras	Jan	54
How Air and Gas Drilling Cut Costs at Two Foothills Wells	May	68
How to Revamp a Cracking Unit during a Turnaround, by William C. Uhl	Refg.	60
Natural Gas Dominant Factor in Canada's Petroleum Future, by Leslie O. Rowland	May	45
Winter No Longer Stops Pipe Line Construction	Oct	48
UNITED STATES	WPR	268
Annual Review of USA Patents on Petroleum Refining and Processing, by Heinz Heinemann and P. A. Lefrancois	Refg.	53
Growing Impact of the Compacts on Motor Fuels in the USA, by William C. Uhl	Jan	52
How Catalyst Test Service Aids Fluid Unit Operations	Feb	45
Huge Petrochemical Barge Is Ready for Service	Aug	62
Injectivity Increases Result from Flood Water Carbonation	Apr	50
"Mudpie" Provides New Method for Storing Liquefied Gases	Dec	48
Needed—More Understanding, by M. J. Rathbone (Editorial)	Nov	45
New Sea Terminal in Hawaii Can Handle Tankers of All Sizes	Oct	44
New Uses, Wider Markets Open for Old, Established Products, by V. B. Guthrie	Nov	66
Offshore Technique Improving, by James W. Calvert	Sept	70
Review of Recent USA Patents on Catalysts, by Heinz Heinemann and P. A. Lefrancois	Mar	68
Stop Disaster!—Major Goal of Newest API Committee, by J. C. Ducommun	Apr	48
The API Meets in Chicago	Nov	51
The Outlook for USA Petroleum Demand —1961, by V. B. Guthrie	Jan	43
The Power to Tax (Editorial)	Sept	41
USA Product Demand Will Rise 3.2%	Nov	70
U.S. Oil Import Controls—Good or Bad? by Joseph B. Huttlinger	July	54
World's First Large Hydeal Unit was Fast Construction Project	Dec	53

World

A Role for OPEC, by Francisco R. Parra	Aug	28
A Word of Caution (Editorial)	Refg.	39
Air Oxidation of Cyclohexane, by Peter W. Sherwood	Nov	78
Better Harbor Facilities Needed—Now! (Editorial)	Oct	35
Free World Geophysical Activity—1960	Aug	32
How Much Is Too Much? (Editorial)	Jan	35
International Oil—its Ills and Cures, by Augustus C. Long	Jan	37
International Rig Report Hits Peak	Aug	33
Jersey Standard Conducts World-Wide Marine Research	Oct	46
New Markets Revive Petrochemical Propylene Oxide and Glycol, by Peter W. Sherwood	June	66
New Technology Boosts Markets for Petrochemical Toluene, by Peter W. Sherwood	Oct	56
New Tools for the Geophysicist	Mar	49
1960 Demand 21,590,000 b/d	Jan	41
Oil Is International (Editorial)	Apr	37
Recent Advances in Logging Techniques, the Sonic Log, by C. A. Doh and L. A. Puzin	Mar	45
Recent Trends in Aromatic Chemicals from Petroleum, by Ralph Landau	Apr	56
Reserves and Exploration, by J. P. Woods (Editorial)	Mar	35
The Fuel Cell—Promise or Threat to the Oil Industry? by Eric Eltham	Nov	73
The Pricing of Crude Oil	Nov	46
The World's Petrochemical Plants	Refg.	94
The World's Processing Plants	Refg.	67
World's Crude Production Rising	Sept	49
World Crude Production Up 7.3% in 1960	Jan	40
World Exploration Review	Mar	42
World Oil Demand in 1961 Will Rise to over 23 million Barrels Daily	Sept	46
World Refining Will Increase 31% by 1965, to 32.3 Million Barrels Daily, by William C. Uhl	Refg.	40
World Review	WPR	19
World Tanker Fleet Growth Rate Continues to Decline	Oct	37